

**LOAD CELL, AND CRANE OVERTURN ALARMING DEVICE**

**Patent number:** JP2001220086  
**Publication date:** 2001-08-14  
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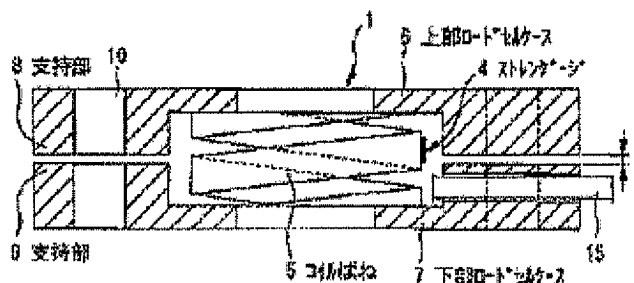

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**Applicant:** FURUKAWA CO LTD  
**Classification:**  
 - international: **G01L1/22; B66C13/16; B66C23/78; G01L1/26;  
 G01L1/20; B66C13/00; B66C23/00; G01L1/26; (IPC1-  
 7): B66C13/16; B66C23/78; G01L1/22; G01L1/26**  
 - european:  
**Application number:** JP20000226337 20000727  
**Priority number(s):** JP20000226337 20000727; JP19990344528 19991203

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**Abstract of JP2001220086**

**PROBLEM TO BE SOLVED:** To improve the alarming accuracy of an overturn alarming device by detecting the low load of an outrigger with high accuracy. **SOLUTION:** This crane overturn alarming device comprises a load cell 1 which comprises a coil spring 5 having a strain gage 4, and an upper load cell case 6 and a lower load cell case 7 which holds the coil spring 5 from the top and the bottom thereof to transmit the load of the outrigger to the coil spring 5, and is provided with support parts 8, 9 to support the load exceeding a predetermined value to restrict the deflection of the coil spring 5 between the upper load cell case 6 and the lower load cell case 7, and an alarm unit to give the overturn alarm based on the detected load of the outrigger from the load cell 1.



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